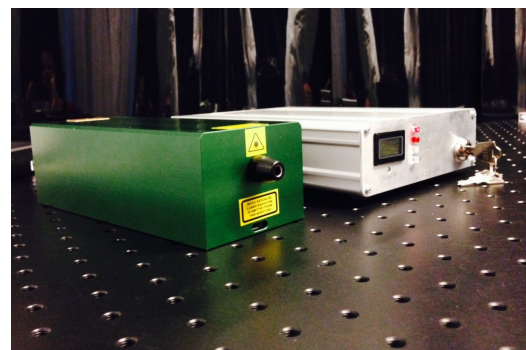


BRaMMS-Solo - 1064/XXXX



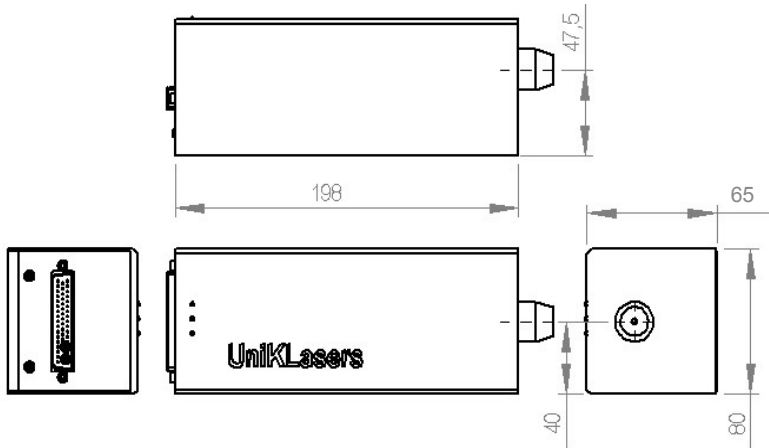
BRaMMS – Solo - 1064/3000

- from 50mW to 3W output power at 1064nm SLM
- feedback locked Single Longitudinal Mode CW operation
- mode hops and lock loss free
- very low noise performance
- excellent beam quality from smallest footprint
- lowest power consumption for given output

	Units	Low Power Versions	High Power Versions
Output Beam Parameters:			
Output Power (fixed values within range)	mW	50 - 200	500 - 3000
Power Control (optional)	–	Externally via manual power adjuster (MPA)	
Wavelength	nm	1064.1 ± 0.2	
Beam Spatial Mode	–	TEM ₀₀	
Beam Diameter at output aperture	mm	0.8 ± 0.1	1.0 ± 0.2
Beam Divergence	mrad	< 1, diffraction limited	
Beam Pointing Stability	µrad/°C	≤ 5	
Longitudinal Mode Structure	–	SLM	
Line Width	MHz	< 0.5	
Line Spectral Position Stability (±5 °C, 4 hours)	pm	±2.5	
Coherence Length	m	> 100	
Mode Hops Free Fine Tuning Range (optional)	GHz	25 – 30	
Polarisation	–	Linear, Vertical; ≥100:1	
Output Power Noise (10Hz – 10MHz)	%	≤ 0.1rms, ≤ 1p-p	
Output Power Stability (4 hours, ±5 °C)	%	≤2	
Environmental:			
Working Temperatures	°C	15 – 35, conductive cooling via mounting interface	
Storage Temperatures	°C	-20 to 60	
Humidity	%	5 -95, non-condensing	
Warm up time	min	<10	<15
Dimensions and Electrical:			
Supply Voltage	DC	19	
Power Consumption (at 25 °C)	W	<20	<90
<i>Fixed output power turnkey system, CW operation, factory aligned and sealed. Specification may be subject to change without notice.</i>			

BRaMMS-Solo - 1064/XXXX Laser Head and Controller Dimensional Specification

Laser Head: 80x 65x 198mm



DANGER

Laser Radiation
Avoid direct exposure to beam

Max output power 50mW
Wavelength 1064nm
CW operation
Class IIIb laser product (IEC 60825-1)



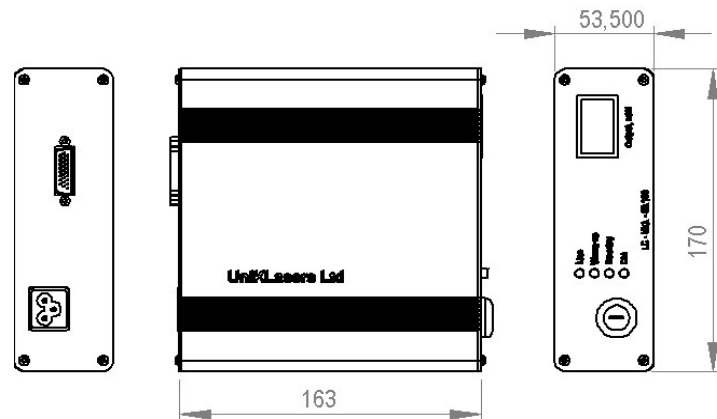
DANGER

Laser Radiation
Avoid direct exposure to beam

Max output power 3W
Wavelength 1064 nm
CW operation
Class IV laser product (IEC 60825-1)

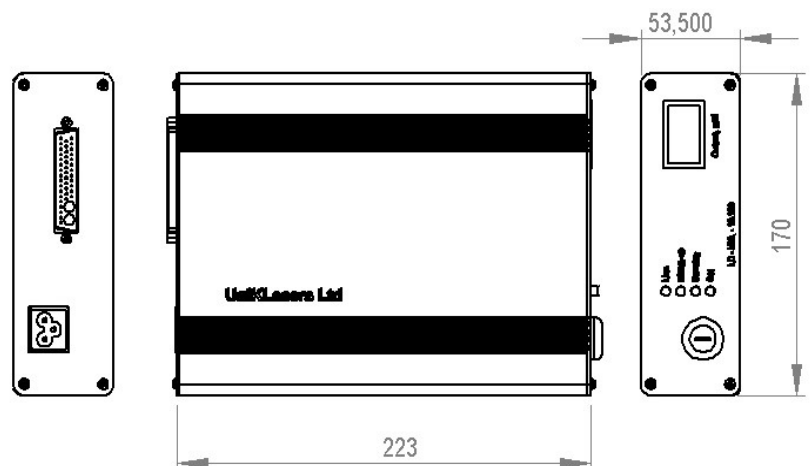
Low Power Version: Controller

170x 53.5x 163mm



High Power Version: Controller

170x 53.5x 223mm



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